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**Fax**

To: Mail Stop AMENDMENT  
Examiner Tianjie Chen

From: William D. Zahrt II

Fax: (703) 872-9306  
TC 2652 - Before Final

Pages: 11, including this page

Phone: (571) 272-7570

Date: June 23, 2005

Re: U.S. Patent Application Serial  
No. 09/943,859

Atty Docket no.: 1012-003

**THIS FAX TRANSMISSION CONTAINS 11 PAGES AND SHOULD REPLACE THE  
PREVIOUS, FAULTY TRANSMISSION WHICH SENT ONLY 9 PAGES.**

☒ Response/Amendment to Office Action

☐ Information

☐ Other

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Nghi Nguyen

With reference to serial number 09/943,859, the following are being submitted:

- Fax Cover Sheet with Certificate of Transmission
- Transmittal for Enclosures
- Response/Amendment

Docket No.: 1012-003

**PATENT**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Kyusik Sin et al.

: Confirmation No.: 2190

Serial No.: 09/943,859

: Examiner: Tianjie Chen

Filed: Aug 30, 2001

: Group Art Unit: 2652

For: SPIN-DEPENDENT TUNNELING  
READ/WRITE SENSOR FOR HARD  
DISK DRIVES


TRANSMITTAL FOR ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Response / Amendment	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> After Final	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Affidavits/Declaration(s)	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Information Disclosure Statement, PTO Form-1449, & cited Reference(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	• Fax Cover Sheet with Certificate of Transmission
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	

The fee, if required, has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	20	20	0	x \$18 =	\$ 0.00
Independent Claims	4	4	0	x \$80 =	\$ 0.00
If multiple claims newly presented, add \$360					
Fee for extension of time					
Other:					
TOTAL FEE					\$0.00

- ☐ Please charge Deposit Account No. 50-0374 in the amount of \$ 0.00. An additional copy of this transmittal sheet is submitted herewith.
- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 50-0374, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,



William D. Zahrt II  
Registration No. 26,070  
Date: June 23, 2005

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Signed: \_\_\_\_\_

Nghi Nguyen

Docket No.: 1012-003

**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	Kyusik Sin, et al.	:	Confirmation No.:	2190
Serial No.:	09/943,859	:	Art Unit:	2652
Filed:	8/30/2001	:	Examiner:	Tianjie Chen
For:	SPIN-DEPENDENT TUNNELING READ/WRITE SENSOR FOR HARD DISK DRIVES	:		

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE /AMENDMENT**

Sir:

The following Amendment and Remarks are submitted in response to the Office Action mailed March 23, 2005, following the amendment format set forth under 37 CFR §1.121. After this introductory section, there are Amendments to the Claims and then Remarks, each starting on a separate page.

Amendments to the Claims consist of amendments for claims 1, 6, 11, and 16, which are incorporated in a complete listing of the claims.